

INTERNATIONAL SEARCH REPORT

10/522051
Rec'd PCT/PTO 20 JAN 2005

International application No.

PCT/EP 03/00578

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21C 11/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9311297 A1 (A. AHLSTROM CORPORATION), 10 June 1993 (10.06.93), page 5, line 36 - page 6, line 8, abstract --	1-27
A	WO 9511335 A1 (TAMPELLA POWER OY), 27 April 1995 (27.04.95), abstract --	1-27
A	US 4872950 A (ALF O. ANDERSSON ET AL), 10 October 1989 (10.10.89), column 5, line 31 - line 68, abstract --	1-27
A	WO 8607396 A1 (CROON INVENTOR AKTIEBOLAG), 18 December 1986 (18.12.86), abstract --	1-27

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 Sept 2003

Date of mailing of the international search report

22-09-2003

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Nina Bergström/MP

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/F/00578

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9115665 A1 (A. AHLSTROM CORPORATION), 17 October 1991 (17.10.91), abstract -- -----	1-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

26/07/03

International application No.

PCT/FI 03/00578

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	9311297	A1	10/06/93	EP	0614500 A,B	14/09/94
				SE	0614500 T3	
				FI	102395 B	00/00/00
				FI	915551 A	27/05/93
				JP	7502574 T	16/03/95
				US	5509997 A	23/04/96
				US	5707490 A	13/01/98
				ZA	9209177 A	08/03/96

WO	9511335	A1	27/04/95	AU	7857194 A	08/05/95
				BR	9407856 A	20/05/97
				CA	2174447 A	27/04/95
				FI	98383 B	28/02/97
				FI	934598 A	19/04/95
				SE	515088 C	11/06/01
				SE	9601451 A	30/04/96
				US	5976318 A	02/11/99

US	4872950	A	10/10/89	CA	1288553 A,C	10/09/91
				FI	91172 B,C	15/02/94
				FI	875056 A	29/05/88
				JP	2641874 B	20/08/97
				JP	63152494 A	24/06/88
				SE	462106 B,C	07/05/90
				SE	8605116 A	29/05/88

WO	8607396	A1	18/12/86	AT	45403 T	15/08/89
				BR	8606701 A	11/08/87
				CA	1272005 A	31/07/90
				DE	3664939 D	00/00/00
				EP	0223821 A,B	03/06/87
				SE	0223821 T3	
				ES	555387 A	16/04/87
				ES	8704570 A	16/06/87
				FI	82494 B,C	30/11/90
				FI	870449 A	02/02/87
				JP	3043393 B	02/07/91
				JP	62503110 T	10/12/87
				PT	82677 A,B	01/06/86
				SE	448173 B,C	26/01/87
				SE	8502731 A	04/12/86
				US	4808264 A	28/02/89

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

26/07/03

PCT/JP03/00578

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9115665 A1	17/10/91	AU 652360 B	25/08/94
		AU 7582991 A	30/10/91
		BR 9106319 A	20/04/93
		CA 2079476 A	04/10/91
		DE 69105963 D	00/00/00
		EP 0523105 A,B	20/01/93
		SE 0523105 T3	
		FI 84516 B	30/08/91
		FI 901669 A	30/08/91
		JP 5507134 T	14/10/93
		PT 97251 A	30/06/93
		US 5370772 A	06/12/94

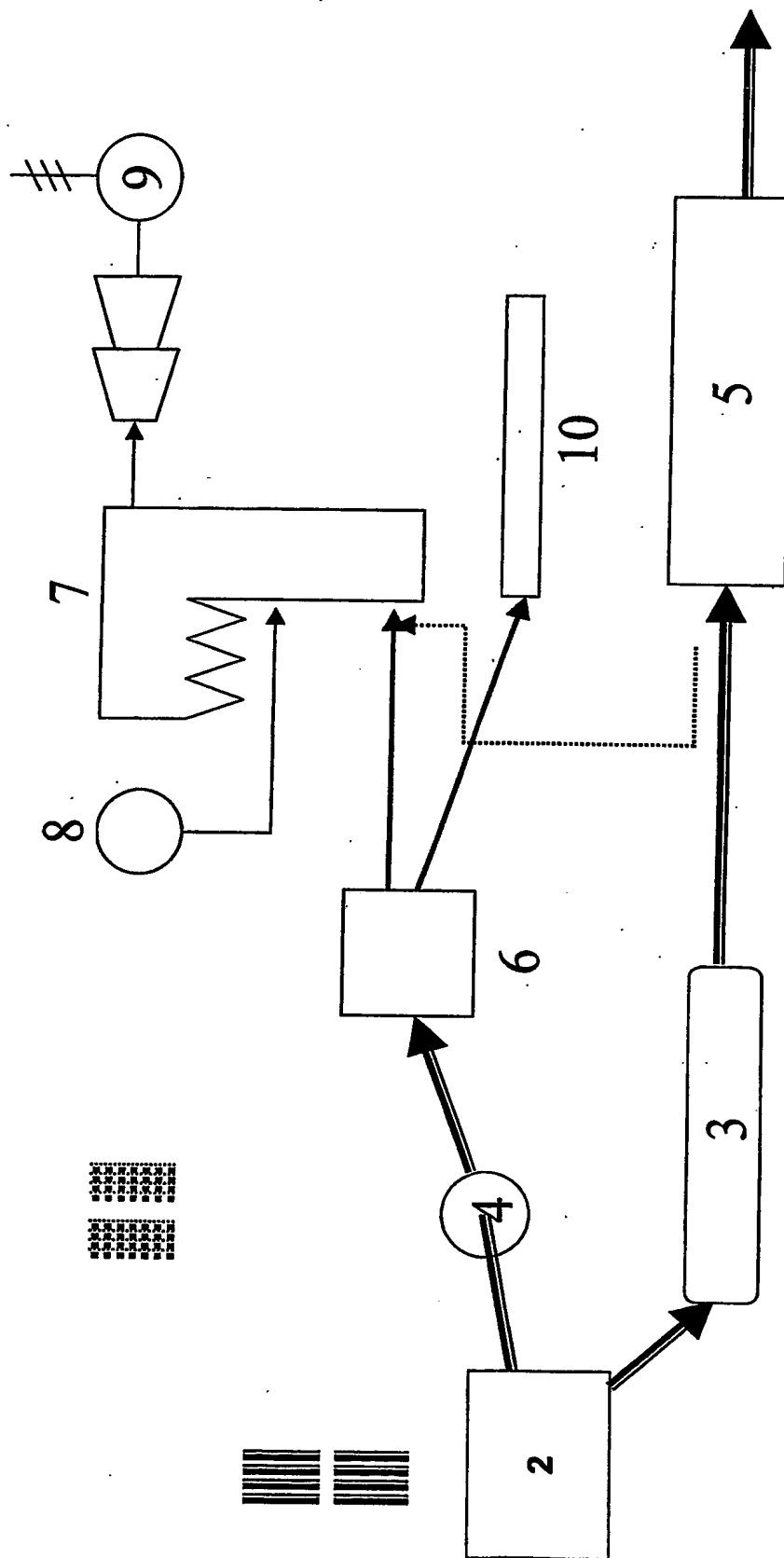


Fig. 1

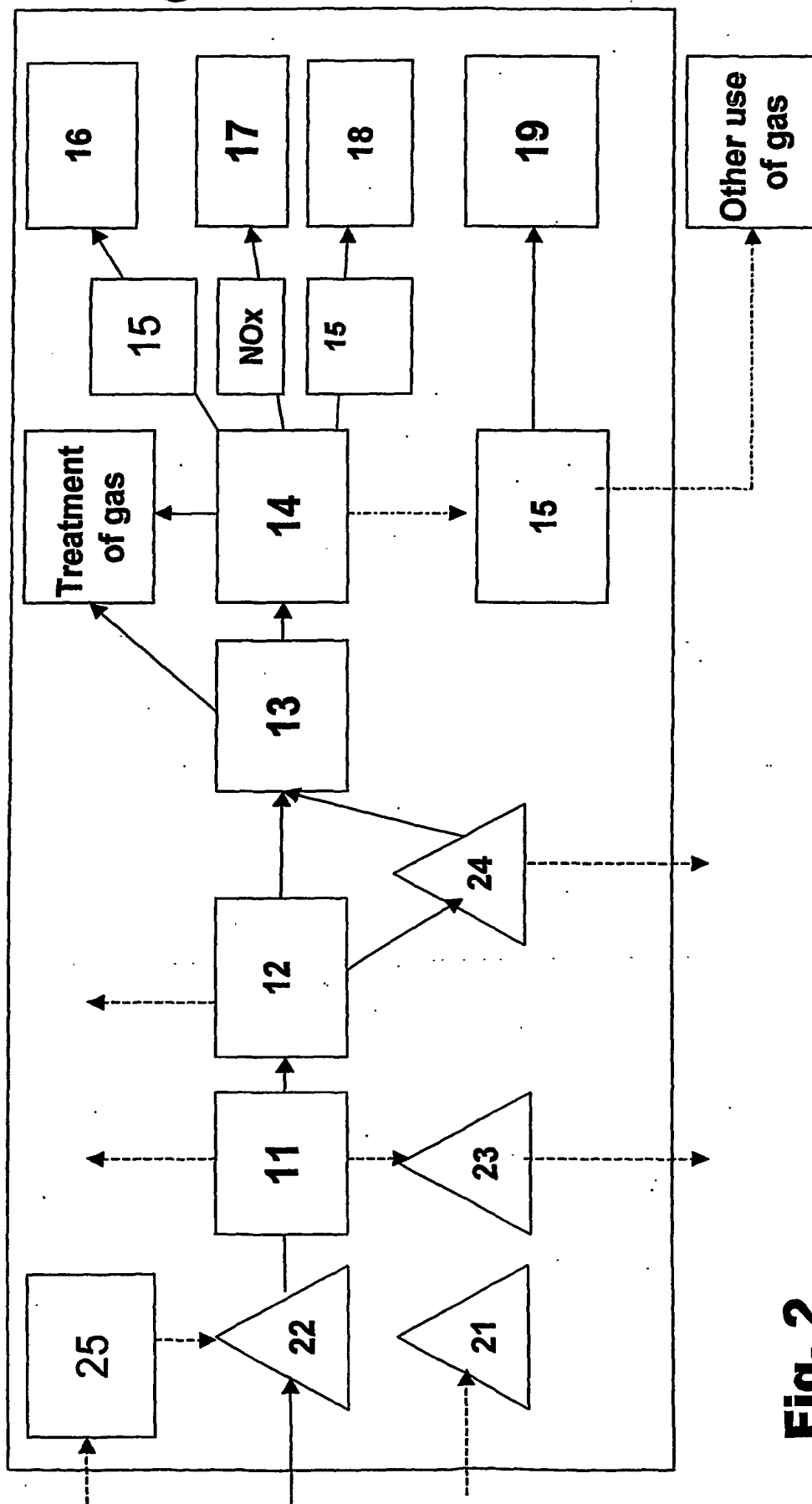


Fig. 2